

Title (en)

ELEVATOR EMPLOYING RADIO FREQUENCY IDENTIFICATION DEVICES (RFIDS)

Title (de)

HOCHFREQUENZIDENTIFIKATIONSVORRICHTUNGEN (RFIDS) EINSETZENDER AUFZUG

Title (fr)

ASCENSEUR UTILISANT DES DISPOSITIFS D'IDENTIFICATION PAR RADIOFREQUENCE

Publication

EP 1539630 B1 20110309 (EN)

Application

EP 02761210 A 20020801

Priority

US 0224357 W 20020801

Abstract (en)

[origin: WO2004013030A1] An elevator safety chain includes a plurality of passive radio frequency identification devices (RFIDs) (15-18, 22, 34-36 and 63), which are associated, respectively, with hoistway door locks, upper hoistway limits, lower hoistway limits, overspeed detection, car door lock, emergency stop switch, and inspection switch. RFIDs may be associated with car call buttons (34) and/or hall call buttons (14, 19). The RFIDs may have a switch (43, 44) in the frequency-determining circuitry (40, 41) which defeats the RFID's ability to respond, or a switch (48) which alters the responding frequency. The RFIDs may sense safe or unsafe conditions, or call requests, by either the presence of absence, or vice versa, of adjacent magnetic reluctance (51, 62, 71).

IPC 8 full level

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